

Title (en)  
Handler for exchanging tools

Title (de)  
Handhabungsgerät zum Wechseln von Werkzeugen

Title (fr)  
Manipulateur pour échanger des outils

Publication  
**EP 2756918 B1 20190213 (EN)**

Application  
**EP 11872172 A 20110916**

Priority  
ES 2011070647 W 20110916

Abstract (en)  
[origin: EP2756918A1] Piece of equipment for exchanging components in horizontal lathes and a handler, referring to a piece of equipment equipped with one single static storage unit and a piece of automated handling equipment or a robot, which has manipulation means with various retention devices built in, in order to fasten the various components, such as tools, headpieces and accessories, to be moved, exchanged or positioned between two positions, preferably between the storage unit and the main machining spindle or axle of the horizontal lathe, although they may also be moved between the storage unit and a loading point or between the storage unit and an intermediate storage unit.

IPC 8 full level  
**B23Q 3/155** (2006.01); **B23Q 7/04** (2006.01)

CPC (source: CN EP US)  
**B23Q 3/155** (2013.01 - US); **B23Q 3/15536** (2016.10 - EP US); **B23Q 3/1554** (2013.01 - CN EP); **B23Q 7/043** (2013.01 - CN EP US); **B23Q 7/048** (2013.01 - EP US); **B25J 15/0052** (2013.01 - US); **B23Q 3/15539** (2016.10 - US); **B23Q 11/08** (2013.01 - US); **B23Q 2003/155418** (2016.10 - CN EP US); **B23Q 2003/155428** (2016.10 - CN EP US); **B23Q 2003/155439** (2016.10 - CN EP US); **B23Q 2003/155446** (2016.10 - CN EP US); **B23Q 2003/155453** (2016.10 - US); **Y10S 483/902** (2013.01 - EP US); **Y10T 483/115** (2015.01 - EP US); **Y10T 483/1702** (2015.01 - EP US); **Y10T 483/1714** (2015.01 - EP US); **Y10T 483/18** (2015.01 - EP US)

Cited by  
US11945068B2; EP3456463A1; WO2019052853A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2756918 A1 20140723**; **EP 2756918 A4 20150902**; **EP 2756918 B1 20190213**; BR 112014005598 A2 20170321; CN 103826795 A 20140528; CN 103826795 B 20170405; ES 2713981 T3 20190524; US 2014228190 A1 20140814; WO 2013038032 A1 20130321

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